

help infertile couples create life, then we ought to allow scientists the latitude to manufacture and destroy embryos to produce medical treatments. But these are far from the same thing. Cloning is different from organ transplantation. Cloning is different from in vitro fertility treatments.

Cloning is an unholy leap backwards because its intellectual lineage and justifications are evocative of some of the darkest hours during the 20th century. We should not stray down this road because it will surely take us to dark and unforeseen destinations.

Human beings should not be cloned to stock a medical junkyard of spare parts for experimentation. That is wrong, unethical, and unworthy of an enlightened society.

Mr. CONYERS. Mr. Speaker, I yield myself 2 minutes.

I rise to merely point out to the distinguished chairman of the Committee on the Judiciary, the gentleman from Wisconsin (Mr. SENSENBRENNER), that he may be over-reliant on adult stem cells as a viable alternative to embryonic stem cells, and I would like to explain why.

A National Institute of Health study examined the potential of adult and embryonic stem cells for curing disease, and they found that the embryonic stem cells have important advantages over adult stem cells. The embryonic stem cells can develop into many more different types of cells. They can potentially replace any cell in the human body. Adult stem cells, however, are not as flexible as embryonic ones. They cannot develop into many different types of cells. They cannot be duplicated in the same quantities in the laboratory. They are difficult and dangerous sometimes to extract from an adult patient. For instance, obtaining adult brain stem cells could require life-threatening surgery.

So the NIH found in its study that therapeutic cloning would allow us to create stem cell medical treatments that would not be rejected by the patient's immune system, because they have the patient's own DNA.

So for whatever it may be worth, I refer this study to my good friend, the chairman.

Mr. Speaker, I reserve the balance of my time.

Mr. SENSENBRENNER. Mr. Speaker, I yield myself 1½ minutes, again just to clarify the record.

I am certain that the study of the gentleman from Michigan is a very valuable one. The fact is that it is not in point to this debate. This bill does not prevent research on embryonic stem cells. What it does do is it prevents research on cloned embryonic stem cells. There is a big difference.

Secondly, once again going back to the adult stem cell research that was referred to by the gentlewoman from California (Ms. LOFGREN), at Yale University, those were adult stem cells. She brought the issue up. We did not. Those were adult stem cells. And if

they were human stem cells, they would not be banned by this bill.

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Now, finally, adult stem cells are already being used successfully for therapeutic benefits in humans. This includes treatments associated with various types of cancer, to relieve systemic lupus, multiple sclerosis, rheumatoid arthritis, anemias, immunodeficiency disease, and restoration of sight through generation of corneas.

Further, initial clinical trials have begun to repair heart damage using the patient's own adult stem cells. Somehow the word is out that adult stem cells are no good. I think this very clearly shows that adult stem cells are very useful for research, and furthermore, the bill does allow research on embryonic stem cells, just not the cloned ones.

Mr. Speaker, I yield 1½ minutes to the gentleman from Oregon (Mr. WU).

Mr. WU. Mr. Speaker, here we are in the U.S. Congress talking about somatic cell nuclear transfer and I think it is deeply rewarding to see how fast Members of Congress can get up to speed on complex, complicated issues.

Let me say that I am strongly, strongly pro-choice. I am also strongly in favor of stem cell research. But I view these as very separate issues. With all the scientists that I have spoken with, there are no laboratories which are currently using a human model for somatic cell nuclear transfer. In fact, the NIH rules on stem cell research, the same rules that we, as Democrats, have been strongly advocating, these rules, III, specific item D, specifically prohibits the technology that we are banning today. Research in which human pluripotent stem cells are derived using somatic cell nuclear transfer. These are the rules that we have been advocating.

Let me say that ultimately this is not an issue of science or biology. Almost exactly 30 years ago in May of 1971 James D. Watson, of Watson and Crick DNA fame, said that some day soon we will be able to clone human beings. This is too important a decision to be left to scientists and the medical specialists. We must play a role in this.

This is what this Congress is doing today. This is about the limits of human wisdom and not about the limits of human technology. The question that we must ask ourselves is whether it is proper to create potential human life for merely mechanistic purposes.

Mr. CONYERS. Mr. Speaker, I yield myself 25 seconds to point out to my dear friend, the chairman of the committee, that it was the University of Wisconsin where we first isolated embryonic stem cells.

This bill before us would render their path-breaking research to be worthless.

Mr. Speaker, I yield 1 minute to the gentlewoman from California (Ms. LOFGREN).

Ms. LOFGREN. Mr. Speaker, the Committee on the Judiciary and the

Speaker received a letter signed by 44 scientific institutions and this is what they said:

This bill bans all use of cloning technology including those for research where a child cannot and will not be created. Therefore, this legislation puts at risk critical biomedical research that is vital to finding the cures for disease and disabilities that affect millions of Americans. Diabetes, cancers, HIV, spinal cord injuries and the like are likely to benefit from the advances achieved by biomedical researchers using therapeutic cloning technology.

This was signed by the American Academy of Optometry, the American Association for Cancer Research, the American Association of American Medical Colleges, the Association of Professors of Medicine, the Association of Subspecialty Professors, Harvard University, the Juvenile Diabetes Research Foundation International, and the Medical College of Wisconsin.

I will take my advice on medicine and research from the scientists, not from the chairman of the Committee on the Judiciary.

Mr. SENSENBRENNER. Mr. Speaker, I yield myself another 30 seconds.

The statement that the gentlewoman from California (Ms. LOFGREN) mentioned, did not say why they need to have cloned embryonic stem cells. I think we are talking about two different things here.

What this bill does is, it prohibits research on cloned embryonic stem cells, not on uncloned embryonic stem cells.

If there is a shortage of uncloned embryonic stem cells, I would like the people on the other side to let the House know about it. We have had not one scintilla of evidence either in this debate or the hearings or markup on the Committee on the Judiciary.

Mr. Speaker, I yield 3 minutes to the gentleman from Florida (Mr. WELDON).

Mr. WELDON of Florida. Mr. Speaker, I just want to clarify a few things about my legislation. It is a pretty short bill. It has four pages and I would encourage anybody who has any uncertainty about this issue to take the time to read it.

I specifically want to refer them to section 302(d). It says, under Scientific Research, nothing in this section restricts areas of scientific research not specifically prohibited by this section.

What they are talking about there is somatic cell nuclear transfer to create an embryo as was used to create Dolly.

I go on in this section to say, nothing specifically prohibiting, including research in the use of nuclear transfer or other cloning techniques to produce molecules, DNA, cells other than human embryos, tissues, organs, plants or animals other than humans. Basically what this means is all the scientific research that is currently going on today can continue.

What cannot continue is what people want to start doing now. It is not being done, but they want to start doing it; and that is to create cloned human embryos for the purpose of research.

Now, there are people putting forward this notion that if we were able to